

What is claimed is:

1. An image forming apparatus comprising:

a transfer section which transfers a toner image onto an intermediate transfer body or a transfer material to form an image on the intermediate transfer body or the transfer material;

a selection section for selecting one mode among a plurality of modes including a first mode for forming the image by using a plurality of colors including a first color and a second mode for forming the image by using less number of colors including the first color than that of the colors in the first mode; and

a control section for controlling the transfer section in order that a transfer rate of a toner image of the first color in the second mode is larger than that of a toner image of the first color in the first mode when toner images are transferred onto the intermediate transfer body or the transfer material by the transfer section.

2. The image forming apparatus of claim 1, wherein, the image is formed by using only one color in the second mode.

3. The image forming apparatus of claim 1, further comprising a plurality of image bearing bodies,

on which the toner images having different colors from one another are formed,

wherein an image bearing body on which a toner image is not formed among the plurality of image bearing bodies is separated from the intermediate transfer body or the transfer material in the second mode.

4. The image forming apparatus of claim 1, wherein, the control section controls a current value or a voltage value of the transfer section to control a transfer rate of each of the toner images.

5. The image forming apparatus of claim 1, wherein the image forming apparatus comprises the intermediate transfer body having an endless belt-like shape.

6. The image forming apparatus of claim 1, further comprising a carry section for carrying the transfer material, which has an endless belt-like shape.

7. The image forming apparatus of claim 1, wherein the first mode is a full color mode using the toner images formed on all of the plurality of image bearing bodies, and the second mode is a monochrome mode using a toner image formed on one of the image bearing

bodies among the plurality of image bearing bodies.

8. An image forming apparatus comprising:
a transfer section which transfers a toner image onto an intermediate transfer body or a transfer material to form an image on the intermediate transfer body or the transfer material;

a selection section for selecting one mode among a plurality of modes including a first mode for forming the image by using a first number of colors and a second mode for forming the image by using a number of colors which is smaller than the first number of colors; and

a control section for controlling the transfer section in order that a transfer rate of a toner image in the second mode is larger than that of a toner image in the first mode with regard to at least one color used in the second mode when toner images are transferred onto the intermediate transfer body or the transfer material by the transfer section.

9. The image forming apparatus of claim 8, wherein, the image is formed by using only one color in the second mode.

10. The image forming apparatus of claim 8, further comprising a plurality of image bearing bodies,

on which the toner images having different colors from one another are formed,

wherein an image bearing body on which a toner image is not formed among the plurality of image bearing bodies is separated from the intermediate transfer body or the transfer material in the second mode.

11. The image forming apparatus of claim 8, wherein, the control section controls a current value or a voltage value of the transfer section to control a transfer rate of each of the toner images.

12. The image forming apparatus of claim 8, wherein the image forming apparatus comprises the intermediate transfer body having an endless belt-like shape.

13. The image forming apparatus of claim 8, further comprising a carry section for carrying the transfer material, which has an endless belt-like shape.

14. The image forming apparatus of claim 8, wherein the first mode is a full color mode using the toner images formed on all of the plurality of image bearing bodies, and the second mode is a monochrome mode using a toner image formed on one of the image bearing

bodies among the plurality of image bearing bodies.

15. An image forming apparatus comprising:

a transfer section which transfers a toner image onto an intermediate transfer body or a transfer material to form an image on the intermediate transfer body or the transfer material;

a selection section for selecting one mode among a plurality of modes including a first mode for forming the image by using a plurality of colors and a second mode for forming the image by using less number of colors than that of the colors in the first mode; and

a control section for controlling the transfer section in order that a transfer rate of a toner image in the second mode is larger than that of a toner image in the first mode when toner images are transferred onto the intermediate transfer body or the transfer material by the transfer section.

16. The image forming apparatus of claim 15, wherein, the image is formed by using only one color in the second mode.

17. The image forming apparatus of claim 15, further comprising a plurality of image bearing bodies, on which the toner images having different colors from

one another are formed,

wherein an image bearing body on which a toner image is not formed among the plurality of image bearing bodies is separated from the intermediate transfer body or the transfer material in the second mode.

18. The image forming apparatus of claim 15, wherein, the control section controls a current value or a voltage value of the transfer section to control a transfer rate of each of the toner images.

19. The image forming apparatus of claim 15, wherein the image forming apparatus comprises the intermediate transfer body having an endless belt-like shape.

20. The image forming apparatus of claim 15, further comprising a carry section for carrying the transfer material, which has an endless belt-like shape.

21. The image forming apparatus of claim 15, wherein the first mode is a full color mode using the toner images formed on all of the plurality of image bearing bodies, and the second mode is a monochrome mode using a toner image formed on one of the image bearing bodies among the plurality of image bearing bodies.

22. An image forming apparatus comprising:

a transfer section which transfers a toner image onto an intermediate transfer body or a transfer material to form an image on the intermediate transfer body or the transfer material;

a selection section for selecting one mode among a plurality of modes including a first mode for forming the image by using a plurality of colors including a first color and a second mode for forming the image by using less number of colors including the first color than that of the colors in the first mode; and

a control section for controlling the transfer section in order that an output value for transferring a toner image of the first color in the second mode is larger than that for transferring a toner image of the first color in the first mode when toner images are transferred onto the intermediate transfer body or the transfer material by the transfer section.

23. The image forming apparatus of claim 22, wherein, the image is formed by using only one color in the second mode.

24. The image forming apparatus of claim 22, further comprising a plurality of image bearing bodies, on which the toner images having different colors from

one another are formed,

wherein an image bearing body on which a toner image is not formed among the plurality of image bearing bodies is separated from the intermediate transfer body or the transfer material in the second mode.

25. The image forming apparatus of claim 22, wherein the control section controls a current value or a voltage value of the transfer section to control the output value.

26. The image forming apparatus of claim 22, wherein the image forming apparatus comprises the intermediate transfer body having an endless belt-like shape.

27. The image forming apparatus of claim 22, further comprising a carry section for carrying the transfer material, which has an endless belt-like shape.

28. The image forming apparatus of claim 22, wherein the first mode is a full color mode using the toner images formed on all of the plurality of image bearing bodies, and the second mode is a monochrome mode using a toner image formed on one of the image bearing bodies among the plurality of image bearing bodies.

29. An image forming apparatus comprising:

a plurality of image bearing bodies on which toner images having different colors from one another are formed;

a transfer unit comprising a plurality of transfer sections severally provided corresponding to each of the plurality of image bearing bodies for transferring the image formed on each of the plurality of image bearing bodies onto an intermediate transfer body or a transfer material; and

a control section for controlling an output value of each of the plurality of transfer sections,

wherein the control section controls the transfer unit in order that an output value of a transfer section provided correspondingly to an image bearing body other than a part of the image bearing bodies is smaller than that of a transfer section provided correspondingly to the part of the image bearing bodies when the toner image is formed on the part of the plurality of image bearing bodies to transfer the toner image on the intermediate transfer body or the transfer material.

30. The image forming apparatus of claim 29, wherein the control section controls the transfer unit in order that the output value of the transfer section

provided correspondingly to the image bearing body other than the part of the image bearing bodies is halves or less of that of the transfer section provided correspondingly to the part of the image bearing bodies when the toner image is formed on the part of the plurality of image bearing bodies to transfer the toner image on the intermediate transfer body or the transfer material.

31. The image forming apparatus of claim 29, wherein the control section controls the transfer unit in order that the output value of the transfer section provided correspondingly to the image bearing body other than the part of the image bearing bodies is halves or less of that of the transfer section provided correspondingly to the part of the image bearing bodies, and is larger than zero, when the toner image is formed on the part of the plurality of image bearing bodies to transfer the toner image on the intermediate transfer body or the transfer material.

32. The image forming apparatus of claim 29, wherein the plurality of image bearing bodies contact with the intermediate transfer body or the transfer material, when the toner image is formed on the part of the plurality of image bearing bodies to transfer the

toner image on the intermediate transfer body or the transfer material.

33. The image forming apparatus of claim 29, wherein the image forming apparatus comprises the intermediate transfer body having an endless belt-like shape.

34. The image forming apparatus of claim 29, wherein the image forming apparatus further comprises a carry section for carrying the transfer material, which has an endless belt-like shape, and

the transfer unit transfers the toner image formed on each of the plurality of image bearing bodies onto the transfer material carried by the carry section.

35. The image forming apparatus of claim 29, wherein the number of the part of the plurality of image bearing bodies is one or two.

36. The image forming apparatus of claim 29, wherein the control section controls a current value or a voltage value of each of the transfer sections to control the output value.